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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 4

Complete if Known	
Application Number	10/664,421
Filing Date	09/16/2003
First Named Inventor	Ryan Bremer
Group Art Unit	1656
Examiner Name	Nashed
Attorney Docket Number	039363-0703

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	U.S. Patent Document Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
NN	A1	20010008765		Shinoki et al.	07/19/2001	
	A2	20010012537		Anderson et al.	08/09/2001	
	A3	20010014448		Chappa et al.	08/16/2001	
	A4	20010014449		Nerenberg et al.	08/16/2001	
	A5	20010016322		Caren et al.	08/23/2001	
	A6	20010018642		Balaban et al.	08/30/2001	
	A7	20010019827		Dawson et al.	09/06/2001	
	A8	6100254		Budde et al.	08/08/2000	
NN	A9	6197495		Qui et al.	03/06/2001	

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS

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NN	A10	WO	99/26966		The Regents of the University of California	06-03-1999		
NN	A11	WO	01/58951		Stichting Voor de Technische Wetenschappen	08-16-2001		
NN	A12	WO	02/24722		Prochon Biotech Ltd.	03-28-2002		

NON PATENT LITERATURE DOCUMENTS

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NN	A13	BOEHM, *et al.*, "Novel Inhibitors of DNA Gyrase: 3D Structure Based Biased Needle Screening, Hit Validation by Biophysical Methods, and 3D Guided Optimization. A Promising Alternative to Random Screening," *J. Med. Chem.* 43:2664-2674 (2000)	
	A14	BOHACEK, *et al.*, "Multiple Highly Diverse Structures Complementary to Enzyme Binding Sites: Results of Extensive Application of a *de Novo* Design Method Incorporating Combinatorial Growth," *J. Am. Chem. Soc.* 116:5560-5571 (1994)	
	A15	CHONG, *et al.*, "Molecular dynamics and free-energy calculations applied to affinity maturation in antibody 48G7," *PNAS* 96:14330-14335 (1999)	
	A16	CORNELL, *et al.*, "A Second Generation Force Field for the Simulation of Proteins, Nucleic Acids, and Organic Molecules," *J. Am. Chem. Soc.* 117:5179-5197 (1995)	
	A17	DONINI and KOLLMAN, "Calculation and Prediction of Binding Free Energies for the Matrix Metalloproteinases," *J. Med. Chem.* 43:4180-4188 (2000)	
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	A20	FELDER, "The Challenge of Preparing and Testing Combinatorial Compound Libraries in the Fast Lane, at the Front End of Drug Development," *Chimia* 48:531-541 (1994)	
	A21	GILLILAND and LADNER, Crystallization of biological macromolecules for X-ray diffraction studies. Current Opinion in Structural Biology, 6:595-603, (1996).	
	A22	JARVIS and PATRICK, "Clustering Using a Similarity Measure Based on Shared Near Neighbors," *IEEE Transactions on Computers* 11:1025-1034 (1973)	
	A23	KE and DOUDNA, Crystallization of RNA and RNA-protein complexes. Methods, 34:408-414, (2004).	
NN	A24	MASSOVA and KOLLMAN, "Computational Alanine Scanning to Probe Protein – Protein Interactions: A Novel Approach to Evaluate Binding Free Energies," *Journ. of Amer. Chem. Soc.* 121(36):8133-8143 (1999)	

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NN	A25	MCGOVERN, *et al.*, "A Common Mechanism Underlying Promiscuous Inhibitors from Virtual and High-Throughput Screening," *J. Med. Chem.* 45:1712-1722 (2002)	
NN	A26	OBRECHT, *et al.*, "Solid-Supported Combinatorial and Parallel Synthesis of Small-Molecular-Weight Compound Libraries," *Linker Mol. & Cleav. Strat.* P. 85.	
NN	A27	OWEN, *et al.*, "Two Structures of the catalytic domain of phosphorylase kinase: an active protein kinase complexed with substrate analogue and product," *Curr. Biol. Ltd.* 3:467-482 (1995)	
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NN	A30	WIENCEK , New strategies for protein crystallization growth. Ann.Rev.Biomed.Eng., 1:505-534, (1999).	
NN	A31	WILLETT, "Chemical Similarity Searching," *J. Chem. Inf. Comput. Sci.* 38:983-996 (1998)	

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NN	A32	YANG et al., Peptide analogs from E-cadherin with different calcium-binding affinities. J. Peptide Research, 55:203-215, (2000).	

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NN	A1	BOGER et al., Synthesis of a functionalized rigid bicycle[2,2,1]heptane: a useful hapten for eliciting catalytic antibodies. Journal of Organic Chemistry, 59:5078-5079, 1994.	
NN	A2	BOS et al., The 500 Dalton rule for the skin penetration of chemical compounds and drugs. Experimental Dermatology, 9:165-169, 2000.	
NN	A3	KEISS et al., Beta-Galactosidase decreases the binding affinity of the insulin-like-growth-factor-II/mannose-6-phosphate receptor for the insulin-like-growth-factor II. European Journal of Biochemistry, 190:71-77, 1990	
NN	A4	MARYANOFF et al., Structure activity studies on anticonvulsant sugar sulfamates related to topiramate. Enhanced potency with cyclic sulfate derivatives. Journal of Medicinal Chemistry, 41:1315-1343, 1998.	
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